

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
34591-CON1SERIAL NO.  
18033-201LIST OF ART CITED BY APPLICANT  
(Use several sheets if necessary)APPLICANT  
Harry Rosenberg et alFILING DATE  
January 13, 2002GROUP  
2818

## U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
PD	AA 4,128,421	12/05/1978	Marsh et al			
PD	AB 5,948,216	09/07/1999	Cava et al			
PD	AC 5,242,481	09/07/1993	Kumar			
	AD					
	AE					
	AF					
	AG					
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	AI					

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	AJ						
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## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

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PHUC T. DANG

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7/21/04

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Form PTO-140		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. M391-COM1		SERIAL NO. 10038201	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT HUTCHINSON, et al			
				FILING DATE January 15, 2003		GROUP 2513	
U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if appropriate
PD	AA	2,950,143	09/1960	HALES et al			
PD	AB	5,620,186	06/1997	Grish et al			
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
PD	AJ	EP 0502103	03/1999	EPO			Yes No
	AK						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
PD		AL	Clark et al, "Influence of Initial Ingot Breakdown on the Microstructural and Textural Development of High Purity Titanium", Metallurgical transactions, vol. 22A, pp. 2959-2968, December 1991.				
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EXAMINER PHUC T. DANG				DATE CONSIDERED 7/21/04			
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WELLS ST. JOHN, P. S.

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
34593-CON1

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SERIAL NO.  
107053.201LIST OF ART CITED BY APPLICANT  
(Use several sheets if necessary)APPLICANT  
Harry Rosenberg et alFILING DATE  
January 15, 2002GROUP  
2818

## U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
PD	AL	5,196,163	03/1993	Matsu et al			
PD	AD	5,040,861	01/1992	Gerde			
	AG						
	AD						
	AE						
	AF						
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	AH						
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## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
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## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

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Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 34593-CON1		SERIAL NO. 10053201	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Harry Rosenberg et al			
				FILING DATE January 15, 2003		GROUP 2B18	
U.S. PATENT DOCUMENTS							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
PD	AA	6,170,451	10/2000	Hasegawa, Toshiaki			
	AB						
	AC						
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FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
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